PS E:\rishita\code> & "C:/Users/Project Associate/anaconda3/envs/rishita/python.exe" e:/rishita/code/trainmean\_std/train\_meanstdnorm.py

Using device: cuda

--- Fold 1 ---

Epoch 1/25 - Train Loss: 0.5569, Train Acc: 0.8350, Val Loss: 0.3515, Val Acc: 0.8641

Epoch 2/25 - Train Loss: 0.2609, Train Acc: 0.9013, Val Loss: 0.2385, Val Acc: 0.9037

Epoch 3/25 - Train Loss: 0.2157, Train Acc: 0.9159, Val Loss: 0.2259, Val Acc: 0.9122

Epoch 4/25 - Train Loss: 0.2002, Train Acc: 0.9228, Val Loss: 0.2462, Val Acc: 0.9019

Epoch 5/25 - Train Loss: 0.1830, Train Acc: 0.9274, Val Loss: 0.1915, Val Acc: 0.9304

Epoch 6/25 - Train Loss: 0.1759, Train Acc: 0.9330, Val Loss: 0.1933, Val Acc: 0.9293

Epoch 7/25 - Train Loss: 0.1719, Train Acc: 0.9347, Val Loss: 0.2015, Val Acc: 0.9163

Epoch 8/25 - Train Loss: 0.1543, Train Acc: 0.9409, Val Loss: 0.1480, Val Acc: 0.9444

Epoch 9/25 - Train Loss: 0.1479, Train Acc: 0.9415, Val Loss: 0.1449, Val Acc: 0.9467

Epoch 10/25 - Train Loss: 0.1433, Train Acc: 0.9446, Val Loss: 0.1746, Val Acc: 0.9356

Epoch 11/25 - Train Loss: 0.1481, Train Acc: 0.9425, Val Loss: 0.1573, Val Acc: 0.9322

Epoch 12/25 - Train Loss: 0.1569, Train Acc: 0.9429, Val Loss: 0.1312, Val Acc: 0.9481

Epoch 13/25 - Train Loss: 0.1293, Train Acc: 0.9511, Val Loss: 0.1225, Val Acc: 0.9474

Epoch 14/25 - Train Loss: 0.1126, Train Acc: 0.9541, Val Loss: 0.1105, Val Acc: 0.9530

Epoch 15/25 - Train Loss: 0.1154, Train Acc: 0.9543, Val Loss: 0.1074, Val Acc: 0.9607

Epoch 16/25 - Train Loss: 0.1010, Train Acc: 0.9627, Val Loss: 0.1349, Val Acc: 0.9544

Epoch 17/25 - Train Loss: 0.1058, Train Acc: 0.9594, Val Loss: 0.1201, Val Acc: 0.9556

Epoch 18/25 - Train Loss: 0.0963, Train Acc: 0.9617, Val Loss: 0.1009, Val Acc: 0.9600

Epoch 19/25 - Train Loss: 0.0987, Train Acc: 0.9640, Val Loss: 0.1092, Val Acc: 0.9596

Epoch 20/25 - Train Loss: 0.0959, Train Acc: 0.9644, Val Loss: 0.0984, Val Acc: 0.9619

Epoch 21/25 - Train Loss: 0.1005, Train Acc: 0.9621, Val Loss: 0.0942, Val Acc: 0.9611

Epoch 22/25 - Train Loss: 0.0878, Train Acc: 0.9701, Val Loss: 0.0951, Val Acc: 0.9615

Epoch 23/25 - Train Loss: 0.0767, Train Acc: 0.9707, Val Loss: 0.0890, Val Acc: 0.9670

Epoch 24/25 - Train Loss: 0.1016, Train Acc: 0.9645, Val Loss: 0.1141, Val Acc: 0.9567

Epoch 25/25 - Train Loss: 0.0854, Train Acc: 0.9662, Val Loss: 0.0693, Val Acc: 0.9744

--- Fold 2 ---

Epoch 1/25 - Train Loss: 0.5161, Train Acc: 0.8191, Val Loss: 0.1905, Val Acc: 0.9200

Epoch 2/25 - Train Loss: 0.2727, Train Acc: 0.8956, Val Loss: 0.2210, Val Acc: 0.9007

Epoch 3/25 - Train Loss: 0.2403, Train Acc: 0.9069, Val Loss: 0.1661, Val Acc: 0.9359

Epoch 4/25 - Train Loss: 0.2117, Train Acc: 0.9178, Val Loss: 0.1483, Val Acc: 0.9419

Epoch 5/25 - Train Loss: 0.1914, Train Acc: 0.9232, Val Loss: 0.1868, Val Acc: 0.9207

Epoch 6/25 - Train Loss: 0.2011, Train Acc: 0.9230, Val Loss: 0.1260, Val Acc: 0.9467

Epoch 7/25 - Train Loss: 0.1819, Train Acc: 0.9272, Val Loss: 0.1314, Val Acc: 0.9419

Epoch 8/25 - Train Loss: 0.1700, Train Acc: 0.9318, Val Loss: 0.1374, Val Acc: 0.9463

Epoch 9/25 - Train Loss: 0.1652, Train Acc: 0.9341, Val Loss: 0.1799, Val Acc: 0.9126

Epoch 10/25 - Train Loss: 0.1535, Train Acc: 0.9323, Val Loss: 0.0978, Val Acc: 0.9556

Epoch 11/25 - Train Loss: 0.1525, Train Acc: 0.9366, Val Loss: 0.1019, Val Acc: 0.9530

Epoch 12/25 - Train Loss: 0.1379, Train Acc: 0.9423, Val Loss: 0.1031, Val Acc: 0.9567

Epoch 13/25 - Train Loss: 0.1380, Train Acc: 0.9445, Val Loss: 0.1017, Val Acc: 0.9578

Epoch 14/25 - Train Loss: 0.1310, Train Acc: 0.9469, Val Loss: 0.1135, Val Acc: 0.9548

Epoch 15/25 - Train Loss: 0.1346, Train Acc: 0.9444, Val Loss: 0.0778, Val Acc: 0.9663

Epoch 16/25 - Train Loss: 0.1180, Train Acc: 0.9528, Val Loss: 0.0952, Val Acc: 0.9585

Epoch 17/25 - Train Loss: 0.1209, Train Acc: 0.9519, Val Loss: 0.0955, Val Acc: 0.9622

Epoch 18/25 - Train Loss: 0.1059, Train Acc: 0.9571, Val Loss: 0.0816, Val Acc: 0.9656

Epoch 19/25 - Train Loss: 0.1272, Train Acc: 0.9487, Val Loss: 0.0814, Val Acc: 0.9656

Epoch 20/25 - Train Loss: 0.1070, Train Acc: 0.9566, Val Loss: 0.0693, Val Acc: 0.9744

Epoch 21/25 - Train Loss: 0.1134, Train Acc: 0.9564, Val Loss: 0.0808, Val Acc: 0.9641

Epoch 22/25 - Train Loss: 0.0962, Train Acc: 0.9616, Val Loss: 0.0728, Val Acc: 0.9693

Epoch 23/25 - Train Loss: 0.0925, Train Acc: 0.9628, Val Loss: 0.0685, Val Acc: 0.9719

Epoch 24/25 - Train Loss: 0.1221, Train Acc: 0.9526, Val Loss: 0.0772, Val Acc: 0.9693

Epoch 25/25 - Train Loss: 0.0957, Train Acc: 0.9620, Val Loss: 0.0999, Val Acc: 0.9548

--- Fold 3 ---

Epoch 1/25 - Train Loss: 0.4327, Train Acc: 0.8334, Val Loss: 0.2187, Val Acc: 0.9074

Epoch 2/25 - Train Loss: 0.2625, Train Acc: 0.8974, Val Loss: 0.2104, Val Acc: 0.9248

Epoch 3/25 - Train Loss: 0.2219, Train Acc: 0.9125, Val Loss: 0.1669, Val Acc: 0.9415

Epoch 4/25 - Train Loss: 0.1998, Train Acc: 0.9228, Val Loss: 0.1723, Val Acc: 0.9415

Epoch 5/25 - Train Loss: 0.2099, Train Acc: 0.9185, Val Loss: 0.1967, Val Acc: 0.9119

Epoch 6/25 - Train Loss: 0.1965, Train Acc: 0.9251, Val Loss: 0.1616, Val Acc: 0.9415

Epoch 7/25 - Train Loss: 0.1771, Train Acc: 0.9306, Val Loss: 0.1582, Val Acc: 0.9404

Epoch 8/25 - Train Loss: 0.1685, Train Acc: 0.9341, Val Loss: 0.1583, Val Acc: 0.9437

Epoch 9/25 - Train Loss: 0.1677, Train Acc: 0.9363, Val Loss: 0.1256, Val Acc: 0.9574

Epoch 10/25 - Train Loss: 0.1484, Train Acc: 0.9438, Val Loss: 0.1335, Val Acc: 0.9548

Epoch 11/25 - Train Loss: 0.1713, Train Acc: 0.9322, Val Loss: 0.1174, Val Acc: 0.9596

Epoch 12/25 - Train Loss: 0.1285, Train Acc: 0.9506, Val Loss: 0.1240, Val Acc: 0.9522

Epoch 13/25 - Train Loss: 0.1259, Train Acc: 0.9472, Val Loss: 0.1073, Val Acc: 0.9626

Epoch 14/25 - Train Loss: 0.1288, Train Acc: 0.9503, Val Loss: 0.1471, Val Acc: 0.9559

Epoch 15/25 - Train Loss: 0.1096, Train Acc: 0.9587, Val Loss: 0.0932, Val Acc: 0.9648

Epoch 16/25 - Train Loss: 0.0949, Train Acc: 0.9626, Val Loss: 0.0728, Val Acc: 0.9767

Epoch 17/25 - Train Loss: 0.1147, Train Acc: 0.9559, Val Loss: 0.1471, Val Acc: 0.9415

Epoch 18/25 - Train Loss: 0.1015, Train Acc: 0.9606, Val Loss: 0.0791, Val Acc: 0.9726

Epoch 19/25 - Train Loss: 0.1022, Train Acc: 0.9619, Val Loss: 0.0839, Val Acc: 0.9707

Epoch 20/25 - Train Loss: 0.0964, Train Acc: 0.9637, Val Loss: 0.0715, Val Acc: 0.9748

Epoch 21/25 - Train Loss: 0.0748, Train Acc: 0.9722, Val Loss: 0.0929, Val Acc: 0.9689

Epoch 22/25 - Train Loss: 0.0801, Train Acc: 0.9680, Val Loss: 0.0951, Val Acc: 0.9730

Epoch 23/25 - Train Loss: 0.0953, Train Acc: 0.9668, Val Loss: 0.0964, Val Acc: 0.9670

Epoch 24/25 - Train Loss: 0.0743, Train Acc: 0.9709, Val Loss: 0.1058, Val Acc: 0.9604

Epoch 25/25 - Train Loss: 0.0785, Train Acc: 0.9700, Val Loss: 0.0929, Val Acc: 0.9667

--- Fold 4 ---

Epoch 1/25 - Train Loss: 0.3992, Train Acc: 0.8554, Val Loss: 0.2505, Val Acc: 0.8837

Epoch 2/25 - Train Loss: 0.2503, Train Acc: 0.9019, Val Loss: 0.2252, Val Acc: 0.9033

Epoch 3/25 - Train Loss: 0.2261, Train Acc: 0.9126, Val Loss: 0.2028, Val Acc: 0.9167

Epoch 4/25 - Train Loss: 0.1997, Train Acc: 0.9242, Val Loss: 0.1760, Val Acc: 0.9252

Epoch 5/25 - Train Loss: 0.1841, Train Acc: 0.9297, Val Loss: 0.1648, Val Acc: 0.9344

Epoch 6/25 - Train Loss: 0.1746, Train Acc: 0.9339, Val Loss: 0.2753, Val Acc: 0.8985

Epoch 7/25 - Train Loss: 0.1653, Train Acc: 0.9361, Val Loss: 0.1474, Val Acc: 0.9411

Epoch 8/25 - Train Loss: 0.1576, Train Acc: 0.9371, Val Loss: 0.1595, Val Acc: 0.9359

Epoch 9/25 - Train Loss: 0.1760, Train Acc: 0.9328, Val Loss: 0.1383, Val Acc: 0.9481

Epoch 10/25 - Train Loss: 0.1382, Train Acc: 0.9451, Val Loss: 0.1335, Val Acc: 0.9456

Epoch 11/25 - Train Loss: 0.1266, Train Acc: 0.9513, Val Loss: 0.1329, Val Acc: 0.9463

Epoch 12/25 - Train Loss: 0.1309, Train Acc: 0.9487, Val Loss: 0.1219, Val Acc: 0.9470

Epoch 13/25 - Train Loss: 0.1297, Train Acc: 0.9477, Val Loss: 0.1582, Val Acc: 0.9430

Epoch 14/25 - Train Loss: 0.1191, Train Acc: 0.9538, Val Loss: 0.1034, Val Acc: 0.9563

Epoch 15/25 - Train Loss: 0.1171, Train Acc: 0.9527, Val Loss: 0.1286, Val Acc: 0.9485

Epoch 16/25 - Train Loss: 0.1211, Train Acc: 0.9527, Val Loss: 0.1008, Val Acc: 0.9567

Epoch 17/25 - Train Loss: 0.1062, Train Acc: 0.9565, Val Loss: 0.0833, Val Acc: 0.9644

Epoch 18/25 - Train Loss: 0.1364, Train Acc: 0.9507, Val Loss: 0.1209, Val Acc: 0.9489

Epoch 19/25 - Train Loss: 0.1030, Train Acc: 0.9620, Val Loss: 0.0952, Val Acc: 0.9596

Epoch 20/25 - Train Loss: 0.1032, Train Acc: 0.9595, Val Loss: 0.1102, Val Acc: 0.9541

Epoch 21/25 - Train Loss: 0.0942, Train Acc: 0.9633, Val Loss: 0.0824, Val Acc: 0.9681

Epoch 22/25 - Train Loss: 0.0928, Train Acc: 0.9633, Val Loss: 0.1290, Val Acc: 0.9526

Epoch 23/25 - Train Loss: 0.0957, Train Acc: 0.9662, Val Loss: 0.1057, Val Acc: 0.9593

Epoch 24/25 - Train Loss: 0.0920, Train Acc: 0.9636, Val Loss: 0.0832, Val Acc: 0.9670

Epoch 25/25 - Train Loss: 0.0819, Train Acc: 0.9703, Val Loss: 0.0899, Val Acc: 0.9641

--- Fold 5 ---

Epoch 1/25 - Train Loss: 0.4427, Train Acc: 0.8389, Val Loss: 0.2691, Val Acc: 0.8789

Epoch 2/25 - Train Loss: 0.2256, Train Acc: 0.9118, Val Loss: 0.2888, Val Acc: 0.8844

Epoch 3/25 - Train Loss: 0.2031, Train Acc: 0.9205, Val Loss: 0.1698, Val Acc: 0.9296

Epoch 4/25 - Train Loss: 0.2023, Train Acc: 0.9193, Val Loss: 0.2052, Val Acc: 0.9244

Epoch 5/25 - Train Loss: 0.1708, Train Acc: 0.9327, Val Loss: 0.1709, Val Acc: 0.9359

Epoch 6/25 - Train Loss: 0.1608, Train Acc: 0.9356, Val Loss: 0.1476, Val Acc: 0.9396

Epoch 7/25 - Train Loss: 0.1481, Train Acc: 0.9413, Val Loss: 0.1280, Val Acc: 0.9500

Epoch 8/25 - Train Loss: 0.1378, Train Acc: 0.9446, Val Loss: 0.1126, Val Acc: 0.9596

Epoch 9/25 - Train Loss: 0.1288, Train Acc: 0.9477, Val Loss: 0.1254, Val Acc: 0.9526

Epoch 10/25 - Train Loss: 0.1488, Train Acc: 0.9426, Val Loss: 0.1130, Val Acc: 0.9507

Epoch 11/25 - Train Loss: 0.1215, Train Acc: 0.9516, Val Loss: 0.1029, Val Acc: 0.9589

Epoch 12/25 - Train Loss: 0.1179, Train Acc: 0.9530, Val Loss: 0.1063, Val Acc: 0.9630

Epoch 13/25 - Train Loss: 0.0990, Train Acc: 0.9594, Val Loss: 0.0805, Val Acc: 0.9693

Epoch 14/25 - Train Loss: 0.0968, Train Acc: 0.9615, Val Loss: 0.0821, Val Acc: 0.9689

Epoch 15/25 - Train Loss: 0.1079, Train Acc: 0.9598, Val Loss: 0.0724, Val Acc: 0.9704

Epoch 16/25 - Train Loss: 0.0773, Train Acc: 0.9686, Val Loss: 0.0798, Val Acc: 0.9681

Epoch 17/25 - Train Loss: 0.0763, Train Acc: 0.9695, Val Loss: 0.0939, Val Acc: 0.9607

Epoch 18/25 - Train Loss: 0.0886, Train Acc: 0.9670, Val Loss: 0.0797, Val Acc: 0.9715

Epoch 19/25 - Train Loss: 0.0727, Train Acc: 0.9728, Val Loss: 0.0682, Val Acc: 0.9707

Epoch 20/25 - Train Loss: 0.0741, Train Acc: 0.9704, Val Loss: 0.0516, Val Acc: 0.9800

Epoch 21/25 - Train Loss: 0.0688, Train Acc: 0.9744, Val Loss: 0.0480, Val Acc: 0.9815

Epoch 22/25 - Train Loss: 0.0646, Train Acc: 0.9744, Val Loss: 0.0682, Val Acc: 0.9752

Epoch 23/25 - Train Loss: 0.0583, Train Acc: 0.9769, Val Loss: 0.0736, Val Acc: 0.9704

Epoch 24/25 - Train Loss: 0.0591, Train Acc: 0.9789, Val Loss: 0.0645, Val Acc: 0.9770

Epoch 25/25 - Train Loss: 0.0759, Train Acc: 0.9700, Val Loss: 0.0485, Val Acc: 0.9804

Best Model: Fold 5 with Accuracy: 0.9804